Ref	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
LI	0	((resource system storage computer) with capacit\$3 with (plan\$4 project\$3 calculat\$3 comput\$3 forecast\$3 estimat\$3 predict\$3)) and ((system storage) with (computer computing) with resource with (life live) with expect\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/19 14:04
L2	0	((resource system storage) with capacit\$3 with (plan\$4 project\$3 calculat\$3 comput\$3 forecast\$3 estimat\$3 predict\$3)) and ((system storage) with (computer computing) with resource with (life live) with expect\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/19 14:05
L3	0	(resource with capacit\$3 with plan\$4) and ((system storage) with (computer computing) with resource with (life live) with expect\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	ÖR	ON	2005/01/19.14:05
L4	1	((system storage) with (computer computing) with resource with (life live) with expect\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/19 14:05
L6	37	((resource system storage computer) with capacit\$3 with (plan\$4 project\$3 calculat\$3 forecast\$3 estimat\$3 predict\$3)) with sort\$3	US-PGPUB; USPAT; EPO, JPO; DERWENT , IBM_TDB	OR	ON	2005/01/19 14:1.1
L7	0	l6 and 718/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/19 14:11
L9	0	l6 and 718/102 ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/19 14:12
L10	0	l6 and 718/104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/19 14:12
L11	94	((resource system storage computer) with capacit\$3 with (plan\$4 project\$3 calculat\$3 comput\$3 forecast\$3 estimat\$3 predict\$3)) with sort\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	ÖR	ON	2005/01/19 14:12
L12	0	111 and 718/104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/01/19 14:13



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Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborativ November 1997

Full text available: mpdf(4.21 MB)

Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagram of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University very complex and do not provide the user with the desired overview of the application. In our experience, such to commun ...

Technical reports

SIGACT News Staff

January 1980 ACM SIGACT News, Volume 12 Issue 1

Full text available: pdf(5.28 MB)

Additional Information: full citation

Computing curricula 2001

September 2001 Journal on Educational Resources in Computing (JERIC)

Full text available: pdf(613.63 KB) 3 html(2.78 KB)

Additional Information: full citation, references, citings, index terms

Social Analyses of Computing: Theoretical Perspectives in Recent Empirical Research Rob Klina

January 1980 ACM Computing Surveys (CSUR), Volume 12 Issue 1

Full text available: (3.98 MB)

Additional Information: full citation, references, citings, index terms

The winter simulation conference: celebrating twenty-five years of progress Robert C. Crain, Joseph M. Sussman, Thomas J. Schriber, James O. Henriksen, Stephen D. Roberts December 1992 Proceedings of the 24th conference on Winter simulation

Full text available: 201(3.37 MB)

Additional Information: full citation, references, citings, index terms

Information systems curriculum recommendations for the 80s; undergraduate and graduate programs Jay F. Nunamaker, J. Daniel Couger, Gordon B. Davis

November 1982 Communications of the ACM, Volume 25 Issue 11

Full text available: Tool(2.20 MB)

Additional Information: full citation, abstract, references, citings, inde-

The recommendations of the 1972 and 1973 ACM Curriculum Committee on Information Systems programs have programs at the bachelor's, master's, and doctoral levels. The earlier curriculum has been revised and updated b years. The report discusses the continuing need for education related to the definition, analysis, design, construc organizations. The stru ...

Launching the new era

Kazuhiro Fuchi, Robert Kowalski, Koichi Furukawa, Kazunori Ueda, Ken Kahn, Takashi Chikayama, Evan Tick March 1993 Communications of the ACM, Volume 36 Issue 3

Full text available: pdf(3.45 MB)

Additional Information: full citation, references, index terms, review

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Richard M. Hodur

December 1995 Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM)

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10 An examination of high-performance computing export control policy in the 1990s

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Jack Donegan

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12 Virtual engineering: challenges into handy engineering from advanced and super technologies

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Additional Information: full citation, index terms

13 Joint task force advanced technology demonstration (JFT ATD) Results'(page 1): ((resource or system or storage or computer) < near/4> capacity < near/4> (plan or proje... Page 3 of 4

John Schill

December 1995 Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM)

Full text available: 1 html(43.86 KB)

Additional Information: full citation, index terms

14 Thriving on information anxiety: a survival guide to the knowledge-value revolution

Sam A. Falk Milosevich

December 1995 Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM)

Full text available: in himl(43.86 KB)

Additional Information: full citation, index terms

15 The emperor has no clothes: what HPC users need to say and HPC vendors need to hear

Cherri M. Pancake

December 1995 Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM)

Full text available: (4) html(43.86 KB)

Additional Information: full citation, citings, index terms

16 Minerva: An automated resource provisioning tool for large-scale storage systems

Guillermo A. Alvarez, Elizabeth Borowsky, Susie Go, Theodore H. Romer, Ralph Becker-Szendy, Richard Golding, Ar Wilkes

November 2001 ACM Transactions on Computer Systems (TOCS), Volume 19 Issue 4

Full text available: # pdf(701.98 KB)

Additional Information: full estation, abstract, references, index terms

Enterprise-scale storage systems, which can contain hundreds of host computers and storage devices and up to t difficult to design. The volume of choices that need to be made is massive, and many choices have unforeseen in complicated to do by hand, usually leading to solutions that are grossly over-provisioned, substantially under-per configuration ni ...

Keywords: Disk array, RAID, automatic design

17 The computing program of the Office of Naval Research, 1946-1953

Mina Rees

October 1987 **Communicat**Full text available: Sci (3.35 MB)

Communications of the ACM, Volume 30 Issue 10

MB) Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>,

The Office of Naval Research (ONR) played a vital role in the postwar support of basic research in the sciences at following World War II before the establishment of the National Science Foundation in 1950 and its expanded fun program was devoted to the support of computers and computing, and this article will report on that aspect of OI Nationa ...

18 Level II technical support in a distributed computing environment

Tim Leehane

September 1996 Proceedings of the 24th annual ACM SIGUCCS conference on User services

Full text available: Tocit(5.73 MB)

Additional Information: full otation, references, index terms

19 Curriculum recommendations for graduate professional programs in information systems

May 1972 Communications of the ACM, Volume 15 Issue 5

Full text available: mpdf(4.00 MB)

Additional Information: full citation, references, citings

Results (page 1): ((resource or system or storage or computer) < near/4> capacity < near/4> (plan or proje... Page 4 of 4

**Keywords**: education, information analysis, information systems development, management information system analysis

20 A simulation model of the FAA'S flight service automation system

C. R. Spooner, A. Acampora, R. Regner

December 1985 Proceedings of the 17th conference on Winter simulation

Full text available: 📆 pdf(1.12 MB)

Additional Information: full citation, abstract

The Flight Service Stations of the Federal Aviation Administration are in process of being automated. To study pe date, the model has been tentatively calibrated against the first version of the real system, and used to predict p outlines the system being modeled, describes the model itself, and discusses some of the issues encountered dur mode ...

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21 MIS in Soviet industrial enterprise: the limits of reform from above

William K. McHenry, Seymour E. Goodman

Communications of the ACM, Volume 29 Issue 11 November 1986

Full text available: pdf(1.24 MB)

Additional Information: full citation, abstract, references, citings, inde:

The USSR has carried out a large-scale program to bring computer-based information systems, called Automated industrial enterprises. This program illustrates the extent to which computer-based information systems are inexi economic, and political systems.

22 Value conflicts and social choice in electronic funds transfer system developments

Rob Kling August 1978

Communications of the ACM, Volume 21 Issue 8

Full text available: R pcif(2.01 MB)

Additional Information: full citation, abstract, references, citings, inde:

During the last few years, computer-based systems which automate the transfer and recording of debits and crec These systems promise both financial benefits for the institutions that use them and potential conveniences to th social, legal, and technical questions that must be resolved if full scale systems for Electronic Funds Transfer (EF publ ...

Keywords: computer networks, electronic funds transfer systems, network reliability, privacy, security, social ch

23 Curriculum recommendations for undergraduate programs in information systems

J. Daniel Couger

December 1973 Communications of the ACM, Volume 16 Issue 12

Full text available: Pagf(3.23 MB)

Additional Information: full citation, references, citings

Keywords: education, information analysis, information systems, management systems, systems analysis, systems

24 An integrated analytical system for global range planning

T. E. Williamson

January 1967

Proceedings of the 1967 22nd national conference

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Full text available: pcf(1,24 MB)

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The mental image formed upon the first attempt to focus on a problem of the scope involved in systematizing the vehicle tracking range is truly overwhelming (Figure 1). Further investigation, however, while not diminishing the considerable detail of importance. First, there was already at hand at the Air Force Eastern Test Range specific Al

25 The winter simulation conference: perspectives of the founding fathers

Michel Araten, Harold G. Hixson, Austin C. Hoggatt, Philip J. Kiviat, Michael F. Morris, Arnold Ockene, Julian Reitmai December 1992 Proceedings of the 24th conference on Winter simulation

Full text available: Total pdf(2.83 MB)

Additional Information: full citation, references, citings, index terms

#### 26 Third Generation Computer Systems

Peter J. Denning

ACM Computing Surveys (CSUR), Volume 3 Issue 4 December 1971

Full text available: pdf(3.52 MB)

Additional Information: full citation, abstract, references, citings, inde:

The common features of third generation operating systems are surveyed from a general view, with emphasis on the basis for a "theory" of operating systems. Properties of specific systems are not discussed except where exan concepts are stressed, the nontechnical aspects mentioned only briefly. A perfunctory knowledge of third generat

#### 27 Beating the I/O bottleneck: a case for log-structured file systems

John Ousterhout, Fred Douglis

ACM SIGOPS Operating Systems Review, Volume 23 Issue 1 January 1989

Full text available: mpdf(1.36 MB)

Additional Information: full citation, abstract, citings, index terms

CPU speeds are improving at a dramatic rate, while disk speeds are not. This technology shift suggests that man I/O-limited that they cannot benefit from further CPU improvements. This paper discusses several techniques for battery-backed-up caches, and cache logging. We then examine in particular detail an approach called log-structi representation ...

## 28 Computers help solve problems in multinational corporations

E. Jane Powanda

January 1979

#### Proceedings of the 1979 annual conference

Full text available: ast(970.09 KB)

Additional Information: full cliation, abstract, references, index terms

A broad picture is presented of the ways that computers have been and can be utilized by companies dealing in it of the computer as a management tool, the use of the computer to bring corporate headquarters and foreign sub problems created by international computer usage that will require resolution in the next decade.

#### 29 Software economics: a roadmap

Barry W. Boehm, Kevin J. Sullivan

May 2000 Proceedings of the Conference on The Future of Software Engineering

Full text available: 📆 pdf(2.58 MB) — Additional Information: full citation, references, citings, index terms

#### 30 Cost-Benefit Analysis in Information Systems Development and Operation

John Leslie King, Edward L. Schrems

January 1978 ACM Computing Surveys (CSUR), Volume 10 Issue 1

Full text available: pdf(1.45 MB)

Additional Information: full citation, references, citiess, index terms

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# 31 Information systems outsourcing: a survey and analysis of the literature

Jens Dibbern, Tim Goles, Rudy Hirschheim, Bandula Jayatilaka

November 2004 ACM SIGMIS Database. Volume 35 Issue 4

Full text available: mixif(1.51 MB)

Additional Information: full estation, abstract, references

In the last fifteen years, academic research on information systems (IS) outsourcing has evolved rapidly. Indeed that there has been scant opportunity for the research community to take a collective breath, and complete a glo paper seeks to address this need by exploring and synthesizing the academic literature on IS outsourcing. It offe highligh ...

Keywords: determinants, literature review, outcomes, outsourcing, relationships, research approaches, theoreti

# 32 The FINITE STRING Newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1987 Computational Linguistics, Volume 13 Issue 1-2

Full text available: pdf(6 15 MB) Publisher Site

Additional Information: full citation

33 Software evolution: Maintenance productivity: observations based on an experience in a large system env

Carl S. Hartzman, Charles F. Austin October 1993

Proceedings of the 1993 conference of the Centre for Advanced Studies on Collaborativ

Full text available: pdf(1.95 MB)

Additional Information: full citation, abstract, references

This paper is concerned with the economical maintenance of large software products. It examines the software m on cost-benefit, within which changes to the maintenance environment affecting future maintenance productivity the recommendations that are made. The recommendations include the formation of a team charged with overse implementation of ce ...

#### 34 Information Systems in Perspective

J. D. Aron

December 1969 ACM Computing Surveys (CSUR), Volume 1 Issue 4

Full text available: pdf(2.22 MB)

Additional Information: full citation, references, citings, index terms

#### 35 Resourceful systems for fault tolerance, reliability, and safety

Russell J. Abbott

March 1990

ACM Computing Surveys (CSUR), Volume 22 Issue 1

Full text available: Tpdf(3.36 MB)

Additional Information: full citation, abstract, references, citings, inde:

Above all, it is vital to recognize that completely guaranteed behavior is impossible and that there are inherent ris environments. The unforeseen consequences are often the most disastrous [Neumann 1986]. Section 1 of this su reliability, safety, and fault tolerance. The emphasis is on the contribution of software to these areas. Section 2 r

## 36 Strategic computing at DARPA: overview and assessment

Mark Stefik

July 1985

Communications of the ACM, Volume 28 Issue 7

Full text available: pdf(1.93 MB)

Additional Information: full citation, abstract, references, citings, inde:

Strategic Computing, a 10-year initiative to build faster and more intelligent systems, is ambitious, flawed by ove basically sound.

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37 Data and memory optimization techniques for embedded systems

P. R. Panda, F. Catthoor, N. D. Dutt, K. Danckaert, E. Brockmeyer, C. Kulkarni, A. Vandercappelle, P. G. Kjeldsberg ACM Transactions on Design Automation of Electronic Systems (TODAES), Volume 6 Issue 2 April 2001

Full text available: Total pdf(339.91 KB)

Additional Information: full citation, abstract, references, citings, index

We present a survey of the state-of-the-art techniques used in performing data and memory-related optimization targeted directly or indirectly at the memory subsystem, and impact one or more out of three important cost mel the resulting implementation. We first examine architecture-independent optimizations in the form of code transc optimizati ...

Keywords: DRAM, SRAM, address generation, allocation, architecture exploration, code transformation, data cac architecture customization, memory power dissipation, register file, size estimation, survey

38 Electronic Computers: A Historical Survey

Saul Rosen

January 1969 ACM Computing Surveys (CSUR), Volume 1 Issue 1

Full text available: pdf(2.45 MB)

Additional Information: full citation, references, citings, index terms

39 A cost-benefit decision model: analysis, comparison amd selection of data management

Stanley Y. W. Su, Jozo Dujmovic, D. S. Batory, S. B. Navathe, Richard Elnicki

September 1987 ACM Transactions on Database Systems (TODS), Volume 12 Issue 3

Full text available: mg pol(3.29 MB)

Additional Information: full citation, abstract, references, citings, inde:

This paper describes a general cost-benefit decision model that is applicable to the evaluation, comparison, and s features, such as complex computer systems. The application of this model is explained and illustrated using the example. The model has the following features: (1) it is mathematically based on an extended continuous logic a

40 Programming languages: past, present, and future: sixteen prominent computer scientiest assess our field Peter Trott

January 1997 ACM SIGPLAN Notices, Volume 32 Issue 1

Full text available: pdf(4.67 MB)

Additional Information: full citation, index terms

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61 Allocation of FIFO structures in RTL data paths

M. Balakrishnan, Heman Khanna

July 2000 ACM Transactions on Design Automation of Electronic Systems (TODAES), Volume 5 Issue 3

Full text available: pdf(118.28 KB) Additional Information: full citation, abstract, references, index terms

Along with functional units, storage and interconnects contribute significantly to data path costs. This paper addresses the issue of reducing the costs of storage and interconnect. In a post-datapath synthesis phase, one or more queues can be allocated and variables bound to it, with the goal of reducing storage and interconnect costs. Further, in contrast to earlier work, we support "irregular" cdfgs and multicycle functional units for queue synthesis. Initial results on HLS b ...

Keywords: FIFO, ILP, RTL, data path, synthesis

62 On-chip vs. off-chip memory: the data partitioning problem in embedded processorbased systems



Preeti Ranjan Panda, Nikil D. Dutt, Alexandru Nicolau

July 2000 ACM Transactions on Design Automation of Electronic Systems (TODAES), Volume 5 Issue 3

Full text available: pdf(175.91 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>ferms</u>, <u>review</u>

Efficient utilization of on-chip memory space is extremely important in modern embedded system applications based on processor cores. In addition to a data cache that interfaces with slower off-chip memory, a fast on-chip SRAM, called Scratch-Pad memory, is often used in several applications, so that critical data can be stored there with a guaranteed fast access time. We present a technique for efficiently exploiting on-chip Scratch-Pad memory by partitioning the application's scalar and a ...

**Keywords:** data cache, data partitioning, memory synthesis, on-chip memory, scratch-pad memory, system design, system synthesis

Typed memory management via static capabilities



David Walker, Karl Crary, Greg Morrisett July 2000 ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 22 Issue 4

Full text available: pdf(662.98 KB)

Additional Information: full citation, abstract, references, citings, index

Region-based memory management is an alternative to standard tracing garbage collection that makes operation such as memory deallocation explicit but verifiably safe. In this article, we present a new compiler intermediate language, called the Capability Language (CL), that supports region-based memory management and enjoys a provably safe type systems. Unlike previous region-based type system, region lifetimes need not be lexically scoped, and yet the language may be checked for safety wit ...

Keywords: certified code, region-based memory management, type-directed compilation, typed intermediate languages

64 Live from the stacks: user feedback on mobile computers and wireless tools for library. patrons

Michael L. W. Jones, Robert H. Rieger, Paul Treadwell, Geri K. Gay June 2000 Proceedings of the fifth ACM conference on Digital libraries

Full text available: pdf(203.20 KB)

Additional Information: full citation, abstract, references, citings, index terms

Digital library research is made more robust and effective when end-user opinions and viewpoints inform the research, design and development process. A rich understanding of user tasks and contexts is especially necessary when investigating the use of mobile computers in traditional and digital library environments, since the nature and scope of the research questions at hand remain relatively undefined. This paper outlines findings from a library technologie ...

Keywords: DL case studies, evaluation, human-computer interaction, mobile and ubiquitous computing

65 Software engineering for security; a roadmap

Premkumar T. Devanbu, Stuart Stubblebine

May 2000 Proceedings of the Conference on The Future of Software Engineering

Full text available: pdf(1.71 MB) Additional Information: full citation, references, citings, index ferms

**Keywords**: copy protection, security, software engineering, water-marking

66 Embedded computation meets the World Wide Web

Gaetano Borriello, Roy Want

May 2000 Communications of the ACM, Volume 43 Issue 5

Full text available: pdf(456,09 KB) **§1** html(41.58 KB)

Additional Information: full citation, references, citings, index terms

67 Charting past, present, and future research in ubiquitous computing Gregory D. Abowd, Elizabeth D. Mynatt

March 2000 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 7 Issue 1

Full text available: pdf(730.63 KB) Additional Information: full citation, abstract, references, citings, index terms

The proliferation of computing into the physical world promises more than the ubiquitous availability of computing infrastructure; it suggest new paradigms of interaction inspired by constant access to information and computational capabilities. For the past decade, application-driven research on abiquitous computing (ubicomp) has pushed three interaction themes:natural interfaces, context-aware applications,andautomated capture and access. To chart a cours ...

**Keywords**: augmented reality, capture and access, context-aware applications, evaluation, everyday computing, natural interfaces, social implications, ubiquitous computing, user interfaces

68 <u>Transcending the individual human mind—creating shared understanding through</u> collaborative design

Ernesto Arias, Hal Eden, Gerhard Fischer, Andrew Gorman, Eric Scharff
March 2000 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 7 Issue 1

Full text available: Additional Information: Addition, abstract, references, citings, index terms, review

Complex design problems require more knowledge than any single person possesses because the knowledge relevant to a problem is usually distributed among stakeholders. Bringing different and often controversial points of view together to create a shared understanding among these stakeholders can lead to new insights, new ideas, and new artifacts. New media that allow owners of problems to contribute to framing and resolving complex design problems can extend the power of the individual human ...

**Keywords**: collaborative design and knowledge construction, design support systems, distributed cognition, integration of action and reflection spaces, integration of physical and computational environments, open systems, symmetry of ignorance

69 MSIS 2000: model curriculum and guidelines for graduate degree programs in information

John Gorgone, Paul Gray

February 2000 Communications of the AIS

Full text available: pdf(265.60 KB) Additional Information: full citation, references

70 Task force report and recommendations

January 2000 ACM SIGMIS Database, Volume 31 Issue 1

Full text available: pdf(4.42 MB) Additional Information: full citation, index terms

71 <u>Using properties for uniform interaction in the Presto document system</u>
Paul Dourish, W. Keith Edwards, Anthony LaMarca, Michael Salisbury
November 1999 **Proceedings of the 12th annual ACM symposium on User interface**software and technology

Full text available: Additional Information: full citation, abstract, references, ortings, index terms

Most document or information management systems rely on hierarchies to organise documents (e.g. files, email messages or web bookmarks). However, the rigid structures of

hierarchical schemes do not mesh well with the more fluid nature of everyday document practices. This paper describes Presto, a prototype system that allows users to organise their documents entirely in terms of the properties those documents hold for users. Properties provide a uniform mechanism for managing, coding, searc ...

**Keywords**: document interfaces, document management, document properties, interaction models

72 Papers: A survey of web caching schemes for the Internet

lia Wang

October 1999 ACM SIGCOMM Computer Communication Review, Volume 29 Issue 5

Full text available: pdf(1.15 MB) Additional Information: full citation, abstract, references, citings

The World Wide Web can be considered as a large distributed information system that provides access to shared data objects. As one of the most popular applications currently running on the Internet, the World Wide Web is of an exponential growth in size, which results in network congestion and server overloading. Web caching has been recognized as one of the effective schemes to alleviate the service bottleneck and reduce the network traffic, thereby minimize the user access latency. In this pap ...

73 A view from the SIGCPR conference; what have we learned in this decade?

Fred Niederman, Jo Ellen Moore, Susan E. Yager

October 1999 ACM SIGCPR Computer Personnel, Volume 20 Issue 4

Full text available: pdf(1.61 MB) Additional Information: full citation, abstract, references

Previous research on computer personnel, or the "people part" of the computer technology equation, has stimulated understanding of the interaction between people and technology. This paper presents the results of quantitative and qualitative analysis of proceedings from the 1991 through 1999 annual conference of the Association for Computing Machinery's Special Interest Group on Computer Personnel Research. The study develops a framework defining the domain of management information systems pers ...

Keywords: computer personnel, framework, research methods

74 Digest of proceedings seventh IEEE workshop on hot topics in operating systems March 29-30 1999, Rio Rico, AZ

M. Satyanarayanan

October 1999 ACM SIGOPS Operating Systems Review, Volume 33 Issue 4

Full text available: notif 1.67 MB Additional Information: full citation, abstract, index terms

The Seventh IEEE Workshop on Hot Topics in Operating Systems was held on March 29-30 1999 at the Rio Rico Resort & Country Club, south of Tucson, Arizona. The General Chair, Peter Druschel, and the Local Arrangements Chair, John Hartman, had gone to considerable effort to make the operation of the workshop smooth and pleasant for the participants. The secluded desert locale, the effect of brilliant sunshine and blue skies on winter-jaded northerners, and the enthusiasm and energy of the ...

75 At home with the technology: an ethnographic study of a set-top-box trial Jon O'Brien, Tom Rodden, Mark Rouncefield, John Hughes

September 1999 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 6

Full text available: pdf(438.27 KB) Additional Information: full cliation, references, citags, index terms, review

 $\textbf{Keywords:} \ coordination \ and \ collaboration, \ domestic \ environment, \ ethnography, \ evaluation, interactive \ devices$ 

76 Next century challenges: data-centric networking for invisible computing: the Portolano project at the University of Washington

Mike Esler, Jeffrey Hightower, Tom Anderson, Gaetano Borriello

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77 Presto: an experimental architecture for fluid interactive document spaces
Paul Dourish, W. Keith Edwards, Anthony LaMarca, Michael Salisbury
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Traditional document systems use hierarchical filing structures as the basis for organizing, storing and retrieving documents. However, this structure is very limited in comparison with the rich and varied forms of document interaction and category management in everyday document use. Presto is a prototype document management system providing rich interaction with documents through meaningful, user-level document attributes, such as "Word file," "published paper," &I ...

Keywords: attribute/value systems, direct manipulation, document management

78 On becoming virtual: the driving forces and arrangements

Magid Igbaria, Conrad Shayo, Lorne Olfman

April 1999 Proceedings of the 1999 ACM SIGCPR conference on Computer personnel research

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**Keywords**: telework, virtual communities, virtual organizations, virtual society, virtual teams

79 <u>Using a wearable computer for continuous learning and support</u>
Lawrence J. Najjar, Chris Thompson, Jennifer J. Ockerman
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A wearable computer with an electronic performance support system can provide continuous learning and support to mobile workers. This system allows mobile users to ask for advice, receive instruction, access productivity tools, communicate with others, and assess their knowledge on a continuous basis. Workers can get this support when they need it, where they need it. Compared to traditional training and support, this new technique may provide substantial performance improvements. We are de ...

Resources, tools, and techniques for problem based learning in computing
Ainslie Ellis, Linda Carswell, Andrew Bernat, Daniel Deveaux, Patrice Frison, Veijo Meisalo,